

## Bar magnets of Neodymium-iron-boron (NdFeB)

Deep pot magnet made of NdFeB, brass housing, with machinable holding surface and fit tolerance h6



| Article number  | D mm    | H mm                                 | A <sup>1</sup> mm | B <sup>1</sup> mm | Adhesive force 1*<br>N <sup>2</sup> | Adhesive force 2*<br>N <sup>2</sup> | Weight g | Temperature °C |
|-----------------|---------|--------------------------------------|-------------------|-------------------|-------------------------------------|-------------------------------------|----------|----------------|
| SG006NdB-00rh02 | 6 (h6)  | 20 <sup>+0.2</sup> / <sub>-0.2</sub> | 10                | 3                 | 9                                   | 12                                  | 4        | 150            |
| SG008NdB-00rh02 | 8 (h6)  | 20 <sup>+0.2</sup> / <sub>-0.2</sub> | 10                | 3                 | 22                                  | 29                                  | 8        | 150            |
| SG010NdB-00rh04 | 10 (h6) | 20 <sup>+0.2</sup> / <sub>-0.2</sub> | 8                 | 5                 | 27                                  | 38                                  | 12       | 150            |
| SG013NdB-00rh03 | 13 (h6) | 20 <sup>+0.2</sup> / <sub>-0.2</sub> | 6                 | 5                 | 49                                  | 66                                  | 20       | 150            |
| SG016NdB-00rh03 | 16 (h6) | 20 <sup>+0.2</sup> / <sub>-0.2</sub> | 2                 | 6                 | 94                                  | 108                                 | 28       | 150            |
| SG020NdB-00rh04 | 20 (h6) | 25 <sup>+0.2</sup> / <sub>-0.2</sub> | 5                 | 7                 | 173                                 | 235                                 | 57       | 150            |
| SG025NdB-00rh05 | 25 (h6) | 35 <sup>+0.3</sup> / <sub>-0.3</sub> | 7                 | 8                 | 292                                 | 380                                 | 127      | 150            |
| SG032NdB-00rh03 | 32 (h6) | 40 <sup>+0.3</sup> / <sub>-0.3</sub> | 4.5               | 10                | 529                                 | 640                                 | 233      | 150            |

### PRODUCT NOTE:

The deep pot magnets can be machined on both sides. An individual contour on the holding surface is possible. In addition, the holding force can be adjusted. Deep pot magnets with an area for free machining on the holding surface also offer better wear protection than other deep pot magnets.

As an alternative to the standard, we also offer individual solutions:

- " Housing + pole shoes made of stainless steel
- " Higher holding force
- " Higher operating temperature up to 280 °C

<sup>1</sup> max. length by which the deep pot magnet can be shortened or machined without damaging it. <sup>2</sup> Max. holding force to be achieved if the deep pot magnet is shortened by the dimension B. This value is reduced accordingly if the entire dimension B is not shortened.

\* The forces have been determined at room temperature on a polished plate made of steel (S235JR according to DIN 10 025) with a thickness of 10 mm (1kg~10N). A deviation of up to -10% from the specified value is possible in exceptional cases. In general, the value is exceeded. The type of application

(installation situation, temperatures, counter anchors, etc.) sometimes influence the forces enormously. The values given are for orientation purposes.

Let our experts advise you.